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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/642,291	08/18/2003	Shoichiro Yasunami	Q77024	2020
65565 SUGHRUE-26.	2,291 08/18/2003 7590 07/25/2007 HRUE-265550 PENNSYLVANIA AVE. NW		EXAMINER	
2100 PENNSYLVANIA AVE. NW WASHINGTON, DC 20037-3213			CHU, JOHN S Y	
			ART UNIT	PAPER NUMBER
			1752	
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		•	MAIL DATE	DELIVERY MODE
•		•	07/25/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/642,291	YASUNAMI ET AL.			
Office Action Summary	Examiner	Art Unit			
•	John S. Chu	1752			
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	vith the correspondence address			
	'DIVIO OST TO SVOIDS and				
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the m earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a . riod will apply and will expire SIX (6) MO atute, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. & 133)			
Status					
1) Responsive to communication(s) filed on 0	4 April 2007.				
	<u> </u>				
3) Since this application is in condition for allo	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice und					
Disposition of Claims					
4)⊠ Claim(s) <u>1,2 and 4-20</u> is/are pending in the	application				
4a) Of the above claim(s) is/are with	• •	•			
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1,2 and 4-20</u> is/are rejected.	•				
7) Claim(s) is/are objected to.		· .			
8) Claim(s) are subject to restriction ar	d/or election requirement.				
Application Papers					
9) The specification is objected to by the Exam	niner				
10) The drawing(s) filed on is/are: a)		by the Examiner			
Applicant may not request that any objection to		•			
Replacement drawing sheet(s) including the cor		· · · · · · · · · · · · · · · · · · ·			
11) The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C.	8 119/a)-(d) or (f)			
a)⊠ All b)□ Some * c)□ None of:	ngri priority under 66 6.6.6.	3 1 13(a)-(d) of (i).			
1. Certified copies of the priority docum	ents have been received.				
2. Certified copies of the priority docum		Application No.			
3. Copies of the certified copies of the p	oriority documents have beer	n received in this National Stage			
application from the International Bu	reau (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a	list of the certified copies not	t received.			
attachment(s)					
) Notice of References Cited (PTO-892)		-			
) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) LI Interview	Summary (PTO-413)			
) Information Disclosure Statement(s) (PTO/SB/08)	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application			

Application/Control Number: 10/642,291

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DETAILED ACTION

This Office action is in response to the amendment filed April 4, 2007.

1. The rejection under 35 U.S.C. 103(a) as being unpatentable over TAO (6,977,131 B2) in view of SHULTZ et al (6,306,555 B1) is **withdrawn** in view of the amendment to claim 1 now inserting the language that the crosslinking agent has a molecular weight of 2,000 or below.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1, 2, and 4-20 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by KAI et al (2003/0022095 A1).

The claimed invention is drawn to the following:

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1. (currently amended): A negative resist composition comprising:

- (A) an alkali-soluble resin;
- (B-1) a cross-linking agent capable of cross-linking with the alkali-soluble resin (A) by the action of an acid, in which the cross-linking agent is not a resin and is a phenol compound having a molecular weight of 2,000 or below and containing: at least one phenolic hydroxyl group; one or more benzene rings in the molecule; and at least two cross-linking groups bonded to any of the benzene rings, the cross-linking group being a group selected from the group consisting of a hydroxymethyl group, an alkoxymethyl group and an acyloxymethyl group;
- (B-2) a cross-linking agent capable of cross-linking with the alkali-soluble resin (A) by the action of an acid, in which the cross-linking agent contains at least two groups selected from the group consisting of the groups represented by the following formulae (1) and (2);
- (C) a compound capable of generating an acid upon irradiation with an actinic ray or radiation; and
 - (D) a nitrogen-containing basic compound:

wherein R₃ represents a hydrogen atom, an alkyl group, or an alkylcarbonyl group; and R₄ and R₅ each represents a hydrogen atom, an alkyl group or an alkylcarbonyl group.

KAI et al discloses and anticipates the recited claim in Example 6 of Table 1 on page 14. The composition comprises the presence of two crosslinking agents as seen on page 13, paragraphs [0188] - [0190], wherein the two crosslinking agents are compounds and meet the now recited molecular weight limitation for crosslinking agent (B-1) wherein either of the compounds C-1 or C-2 meets B-1 and the other would meet claimed crosslinking agent B-2.

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The applicants are also directed to the acid dispersion control agent in Example 6, which is a defined to be a dimethyl n-dodecylamine, which meets and anticipates the claimed nitrogen-containing basic compound.

All claims are anticipated and no claims are allowed.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Chu whose telephone number is (571) 272-1329. The examiner can normally be reached on Monday - Friday from 9:30 am to 6:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Cynthia Kelly, can be reached on (571) 272-1526

The fax phone number for the USPTO is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PMR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/John S. Chu/ Primary Examiner, Group 1700

J.Chu July 20, 2007